TOWN OF DAVIE
TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers

FROM/PHONE: Joseph A. DeStefano, Building Division Manager/797-1187

PREPARED BY: Dianne M. Sarna, Administrative Secretary

SUBJECT: Other -

AFFECTED DISTRICT: Townwide

ITEM REQUEST: **Schedule for Council Meeting**

TITLE OF AGENDA ITEM: Backflow Prevention

REPORT IN BRIEF: Item is a request for an update by the Mayor and Town Council

PREVIOUS ACTIONS: Discussed previously at the December 16, 2009 Council Meeting

CONCURRENCES:

FISCAL IMPACT: not applicable

   Has request been budgeted? n/a

      If yes, expected cost: $

            Account name and number:

      If no, amount needed: $

            What account name and number will funds be appropriated from:

      Additional Comments:

RECOMMENDATION(S): Other -

Attachment(s): Memo dated 12/2/09 from GIS Manager Irene DeGroot
Estimated cost proposal from Tokay Software

TOWN OF DAVIE
INTEROFFICE MEMORANDUM
FIRE RESCUE DEPARTMENT

DATE: 1/6/2010   BDM 10-01

TO: Mayor Judy Paul
              Vice Mayor Michael Crowley
              Councilmember Bryan Caletka
              Councilmember Marlon Luis
              Councilmember Susan Starkey

FROM: Joseph A. DeStefano, Building Division
              Manager
              Bruce Taylor, Utilities Director

SUBJECT: Backflow Prevention

Attachment: ☒YES   ☐ NO

The Safe Drinking Water Act requires cross connection control thru backflow prevention, the common device used is a backflow preventer. According to the American Water Works Association (AWWA) manual the water purveyor may field test or require field testing by an authorized contractor. The requirement under the Florida Building Code 2007 edition is that cross connection and backflow prevention installations shall be governed by the Code.

The Administrative Code Rule 62-555.360 has provided cross connection control for public water systems and reference the AWWA, the Florida Department of Environmental Protection drinking water program.

Pursuant to your direction we continued our review of available options for a backflow prevention program. Contact was made with Fort Lauderdale, Tamarac, Sunrise, Coral Springs and Pembroke Pines all of which administer a backflow prevention program. An annual recertification fee range of $25.00 to $65.00 is charged by these municipalities to defray administrative costs. All of the aforementioned cities utilize a monitoring software program provided by Tokay Software (approximate cost $6,400.00 initial cost and annual software maintenance cost of $700.00).

The two options previously discussed were to allow public oversight through the permitting process including plumbing inspections and associated fees and cause an administrative fee for oversight by the Purveyor to be paid by the contractor.

The Town currently has in excess of 2,600 backflow preventers in place providing cross connection protection of commercial, institutional and multiunit residential complexes.
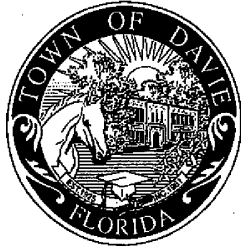
We recommend the water Purveyor administer a backflow prevention program which requires annual recertification and fee of $30.00 for backflow devices on private property. The inspections shall be performed by a certified contractor and/or backflow tester/technician. The Utilities backflow fee must be paid by the owner at the time of the annual recertification as set by Resolution of the Town Council.

Under new construction or renovation the Building Division currently provides permits for new installation, retrofitting and certification of backflow devices/assemblies as required by the 20007 Florida Building Code and must be obtained from the Building Division by a Master Plumber in accordance with Chapter 4620 of the Florida Building Code. The applicant shall pay the building permit fee in effect at the same time of issuance of the permit.

If I may be of further assistance please contact my office.

Attachments: Estimated cost proposal from Tokay Software
                       Memo dated 12/2/2009 from Town GIS Manger Irene
               DeGroot

Memorandum

TO: Joe DeStefano, Program Manager

FROM: Irene DeGroot, GIS Manager

SUBJECT: Backflow Preventers

DATE: December 2, 2009

By cross referencing databases the following is the approximate count on meters that require backflow preventers.

Commercial meters	2,501
Multi-Family meters	75
Institutional meters	65

Total number of meters requiring backflow preventers is 2,641.

NAVIGATOR LITE - tracks up to *500* testable assemblies	$ 1,300.00

Options

Multi-user License – unlimited workstations (LAN)	860.00

User Support, annual (three months included in the purchase)

Single user	210.00
Multi-user system	335.00
Standard Data Link – Link to the water customer database	1,000.00
Extended Link – Automate service status updates	1,300.00

NAVIGATOR LIMITED - tracks up to *1000* testable assemblies	$ 2,000.00

Options

Multi-user License - unlimited workstations (LAN)	1,200.00

User Support, annual

Single user	370.00
Multi-user system	550.00
Standard Data Link – Link to the water customer database	1,200.00
Extended Link – Automate service status updates	1,500.00

NAVIGATOR - tracks up to *2000* testable assemblies	$ 2,700.00

Options

Multi-user License – unlimited workstations (LAN)	1,800.00

User Support, annual

Single user	390.00
Multi-user system	570.00
Standard Data Link – Link to the water customer database	1,400.00
Extended Link – Automate service status updates	1,800.00

NAVIGATOR II – unlimited assembly tracking capacity	$ 3,900.00

Options

Multi-user License – unlimited workstations (LAN)	2,400.00

User Support, annual

Single user	470.00
Multi-user system	690.00
Standard Data Link – Link to the water customer database	1,600.00
Extended Link – Automate service status updates	2,100.00

Data Conversion - Flat File – Excel, etc. – one sheet	$ 560.00
Data Conversion - Flat File – multiple sheets	$ 1,360.00
Data Conversion - Relational Database – Access or other backflow software	$ 1,500.00

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Option Descriptions

STANDARD LINK

In an effort to keep the backflow prevention data current and correct, it is best to link the Navigator to your water billing software (mainframe or PC). This is an export/import link and the water records cannot be compromised. Water customers are pre-loaded and a custom update link is programmed. This link allows the backflow program to utilize data exported from the water billing software. Updating your data this way keeps your backflow prevention records current (names, addresses, etc.) New connections are automatically loaded and marked. A network version is not required to link.

- A LINK is a highly valuable tool in communities that experience growth or change.
- Pre-loading the water customer database saves hours and hours of manual data entry time.
- The link keeps the mailing addresses and company names current.
- The link brings new water connections to the backflow database electronically.
- The link takes you beyond simple tracking, having all the water customers loaded in the backflow database allows you to oversee a comprehensive backflow prevention program.

EXPANDED DATA LINK

The Expanded Data Link will do all of the above and it will automate several data management steps impacted by the water service status. If you are interested in this option, call us for a detailed review of the impact of each step in the Expanded Data Link on your database.

DATA CONVERSION

We will convert the data in your current software into the Tokay Navigator. Converting the current data preserves the integrity of the backflow program. We can convert any database including a paper system - call for a quotation.

USER SUPPORT

- Toll-free telephone support calls are handled by staff experienced in Tokay Software, typical computer hardware systems, (stand-alone and networked), and the administration of Cross-Connection Control programs.
- Users with current support can update their software from our website.
- Same platform upgrades are included in your user support agreement.
- Unlimited Phone Training Sessions for every user is included in your user support agreement.
- Three months of user support is included in the purchase.
  - We focus on education -
  We give our users unlimited phone training and data management support

WORKSHOPS
If you are in the process of organizing a new Cross-Connection Control program or you would like to streamline an existing program we suggest a Setup & Training Workshop. Workshops allow us to analyze your data and customize the software to meet your program specific needs (i.e. data entry screens, reports, notices, etc.). Call for more details.

FOG MODULE
The Tokay Navigator FOG (fats, oil and grease) module allows the user to comprehensively track an unlimited number of FOG records. The Navigator will handle all basic FOG program requirements. The Navigator FOG module was created to meet the needs of more complex FOG programs. Call for more information.